

ABSTRACT OF THE DISCLOSURE

An inkjet printing apparatus, is adapted to use a non-contact method for detecting the presence and the amount of liquid, in the form of ink droplets
5 discharged from a printhead or ink tank, using electromagnetic waves in the form of infrared rays. The apparatus and method employ an infrared sensor to detect infrared radiation emitted by the ink in proportion to the amount of ink present. The apparatus
10 and method further employ one of various shielding members to prevent the intrusion of infrared radiation noise into the infrared sensor field of detection, and, in some aspects, a fan to control air flow within the field of detection. The result is less noise in the
15 detection signals of the infrared sensor, and therefore more sensitive and more reliable liquid detection method and liquid detection apparatus.